

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/065,672**

INPUT SET: S25446.raw

This Raw Listing contains the General  
 Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

- 1
- 2
- 3 (1) General Information
- 4
- 5 (i) APPLICANT: BILLING-MEDEL, PATRICIA
- 6 COHEN, MAURICE
- 7 COLPITTS, TRACEY L.
- 8 FRIEDMAN, PAULA N.
- 9 KLASS, MICHAEL R.
- 10 ROBERTS-RAPP, LISA
- 11 RUSSELL, JOHN C.
- 12 STROUPE, STEPHEN D.
- 13
- 14 (ii) TITLE OF THE INVENTION: REAGENTS AND METHODS USEFUL
- 15 FOR DETECTING DISEASES OF THE PROSTATE
- 16
- 17 (iii) NUMBER OF SEQUENCES: 16
- 18
- 19 (iv) CORRESPONDENCE ADDRESS:
- 20 (A) ADDRESSEE: Abbott Laboratories
- 21 (B) STREET: 100 Abbott Park Road
- 22 (C) CITY: Abbott Park
- 23 (D) STATE: IL
- 24 (E) COUNTRY: USA
- 25 (F) ZIP: 60064-3500
- 26
- 27 (v) COMPUTER READABLE FORM:
- 28 (A) MEDIUM TYPE: Diskette
- 29 (B) COMPUTER: IBM Compatible
- 30 (C) OPERATING SYSTEM: DOS
- 31 (D) SOFTWARE: FastSEQ for Windows Version 2.0
- 32
- 33 (vi) CURRENT APPLICATION DATA:
- 34 (A) APPLICATION NUMBER:
- 35 (B) FILING DATE:
- 36 (C) CLASSIFICATION:
- 37
- 38 (vii) PRIOR APPLICATION DATA:
- 39 (A) APPLICATION NUMBER: 08/838,968
- 40 (B) FILING DATE: 23-APR-1997
- 41
- 42
- 43
- 44 (viii) ATTORNEY/AGENT INFORMATION:
- 45 (A) NAME: Becker, Cheryl L.
- 46 (B) REGISTRATION NUMBER: 35,441

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47 (C) REFERENCE/DOCKET NUMBER: 6086.US.01

48

49 (ix) TELECOMMUNICATION INFORMATION:

50 (A) TELEPHONE: 847/935-1729

51 (B) TELEFAX: 847/938-2623

52 (C) TELEX:

53

54

55 (2) INFORMATION FOR SEQ ID NO:1:

56

57 (i) SEQUENCE CHARACTERISTICS:

58 (A) LENGTH: 214 base pairs

59 (B) TYPE: nucleic acid

60 (C) STRANDEDNESS: single

61 (D) TOPOLOGY: linear

62

63

64 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

65

CTAAGGCGTG	CAAACAGAGC	GCCACTGGGA	GGCTGAAACC	TTTAGGCCGA	TGCCTGCTTG	60
CAAGGTCAGG	CAAGCTGGAT	TCTGGTCCCC	ACCTTTGCAG	AGAGAACAGC	GATGTTGTGC	120
GCCCATTTCT	CAGATCAAGG	ACCGGCCCAT	CTTACTACCT	CCAAGAGTGC	TTTCTCTCTC	180
AATAAGAAAA	CATCTACTTT	GAAACATCTA	CTGG			214

69

70 (2) INFORMATION FOR SEQ ID NO:2:

71

72 (i) SEQUENCE CHARACTERISTICS:

73 (A) LENGTH: 339 base pairs

74 (B) TYPE: nucleic acid

75 (C) STRANDEDNESS: single

76 (D) TOPOLOGY: linear

77

78

79 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

80

GACCAAACAG	AGCGCCACTG	GGAGGCTGAA	ACCTTTAGGC	CGATGCTTGC	TTGCAAGGTC	60
AGGCAAGCTG	GATTCTGGTC	CCCACCTTTG	CAGAGAGAAC	AGCGATGTTG	TGCGCCCAT	120
TCTCAGATCA	AGGACCGGCC	CATCTTACTA	CCTCCAAGAG	TGCTTTTCTC	TCTAATAAGA	180
AAACATCTAC	TTTGAAACAT	CTACTGGGCG	AGACCAGGAG	TGATGGCTCA	GCCTGTAATT	240
CTGGAATTC	GGGAGGCCGA	GGCAGGAAGA	TTCTTGAGC	ACAGGAGTTC	CAGACCAGCC	300
TGGGCAATGT	AGCAAGACGC	TGTCTCTATT	TATACAATA			339

86

87 (2) INFORMATION FOR SEQ ID NO:3:

88

89 (i) SEQUENCE CHARACTERISTICS:

90 (A) LENGTH: 205 base pairs

91 (B) TYPE: nucleic acid

92 (C) STRANDEDNESS: single

93 (D) TOPOLOGY: linear

94

95

96 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

97

98

99

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100	GCAAACAGAG	CGCCACTGGG	AGGCTGAAAC	CTTTAGGCCG	ATGCTTGCTT	GCAAGGTCAG	60
101	GCAAGCTGGA	TTCTGGTCCC	CACCTTTGCA	GAGAGAACAG	CGATGTTGTG	CGCCCATTTC	120
102	TCAGATCAAG	GACCGGCCCA	TCTTACTACC	TCCAAGAGTG	CTTTTCTCTC	TAATAAGAAA	180
103	ACATCTACTT	TGAAACATCT	ACTGG				205

## (2) INFORMATION FOR SEQ ID NO:4:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 346 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

116	CTAAGGCGTG	CAAACAGAGC	GCCACTGGGA	GGCTGAAACC	TTTAGGCCGA	TGCCTGCTTG	60
117	CAAGGTCAGG	CAAGCTGGAT	TCTGGTCCCC	ACCTTTGCAG	AGAGAACAGC	GATGTTGTGC	120
118	GCCCATTCT	CAGATCAAGG	ACCGGCCCAT	CTTACTACCT	CCAAGAGTGC	TTTTCTCTCT	180
119	AATAAGAAAA	CATCTACTTT	GAAACATCTA	CTGGGCGAGA	CCAGGAGTGA	TGGCTCAGCC	240
120	TGTAATTCTG	GAATTCGGG	AGGCCGAGGC	AGGAAGATTC	CTTGAGCACA	GGAGTTCCAG	300
121	ACCAGCCTGG	GCAATGTAGC	AAGACGCTGT	CTCTATTTAT	ACAATA		346

## (2) INFORMATION FOR SEQ ID NO:5:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 346 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

134	CTAAGGCGTG	CAAACAGAGC	GCCACTGGGA	GGCTGAAACC	TTTAGGCCGA	TGCYTGCTTG	60
135	CAAGGTCAGG	CAAGCTGGAT	TCTGGTCCCC	ACCTTTGCAG	AGAGAACAGC	GATGTTGTGC	120
136	GCCCATTCT	CAGATCAAGG	ACCGGCCCAT	CTTACTACCT	CCAAGAGTGC	TTTTCTCTCT	180
137	AATAAGAAAA	CATCTACTTT	GAAACATCTA	CTGGGCGAGA	CCAGGAGTGA	TGGCTCAGCC	240
138	TGTAATTCTG	GAATTCGGG	AGGCCGAGGC	AGGAAGATTC	CTTGAGCACA	GGAGTTCCAG	300
139	ACCAGCCTGG	GCAATGTAGC	AAGACGCTGT	CTCTATTTAT	ACAATA		346

## (2) INFORMATION FOR SEQ ID NO:6:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 68 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

152	AGCTCGGAAT	TCCGAGCTTG	GATCCTCTAG	AGCGGCCGCC	GACTAGTGAG	CTCGTCGACC	60
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PATENT APPLICATION US/09/065,672DATE: 04/30/98  
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153 CGGGAATT 68  
154  
155 (2) INFORMATION FOR SEQ ID NO:7:  
156  
157 (i) SEQUENCE CHARACTERISTICS:  
158 (A) LENGTH: 68 base pairs  
159 (B) TYPE: nucleic acid  
160 (C) STRANDEDNESS: single  
161 (D) TOPOLOGY: linear  
162  
163  
164 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
165  
166 AATTAATTCC CGGGTCGACG AGCTCACTAG TCGGCGGCCG CTCTAGAGGA TCCAAGCTCG 60  
167 GAATTCCG 68  
168  
169 (2) INFORMATION FOR SEQ ID NO:8:  
170  
171 (i) SEQUENCE CHARACTERISTICS:  
172 (A) LENGTH: 24 base pairs  
173 (B) TYPE: nucleic acid  
174 (C) STRANDEDNESS: single  
175 (D) TOPOLOGY: linear  
176  
177  
178 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
179  
180 AGCGGATAAC AATTTACAC AGGA 24  
181  
182 (2) INFORMATION FOR SEQ ID NO:9:  
183  
184 (i) SEQUENCE CHARACTERISTICS:  
185 (A) LENGTH: 18 base pairs  
186 (B) TYPE: nucleic acid  
187 (C) STRANDEDNESS: single  
188 (D) TOPOLOGY: linear  
189  
190  
191 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
192  
193 TGTAACACGA CGGCCAGT 18  
194  
195 (2) INFORMATION FOR SEQ ID NO:10:  
196  
197 (i) SEQUENCE CHARACTERISTICS:  
198 (A) LENGTH: 18 base pairs  
199 (B) TYPE: nucleic acid  
200 (C) STRANDEDNESS: single  
201 (D) TOPOLOGY: linear  
202  
203  
204 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
205

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# RAW SEQUENCE LISTING

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206 AAACCTTTAG GCCGATGC

18

207

208

(2) INFORMATION FOR SEQ ID NO:11:

209

210

(i) SEQUENCE CHARACTERISTICS:

211

(A) LENGTH: 20 base pairs

212

(B) TYPE: nucleic acid

213

(C) STRANDEDNESS: single

214

(D) TOPOLOGY: linear

215

216

217

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

218

219

TCCCGAAATT CCAGAATTAC

20

220

221

(2) INFORMATION FOR SEQ ID NO:12:

222

223

(i) SEQUENCE CHARACTERISTICS:

224

(A) LENGTH: 57 amino acids

225

(B) TYPE: amino acid

226

(C) STRANDEDNESS: single

227

(D) TOPOLOGY: linear

228

229

(ii) MOLECULE TYPE: None

230

231

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

232

233

Met Leu Cys Ala His Phe Ser Asp Gln Gly Pro Ala His Leu Thr Thr

234

1

5

10

15

235

Ser Lys Ser Ala Phe Leu Ser Asn Lys Lys Thr Ser Thr Leu Lys His

236

20

25

30

237

Leu Leu Gly Glu Thr Arg Ser Asp Gly Ser Ala Cys Asn Ser Gly Ile

238

35

40

45

239

Ser Gly Gly Arg Gly Arg Lys Ile Pro

240

50

55

241

242

(2) INFORMATION FOR SEQ ID NO:13:

243

244

(i) SEQUENCE CHARACTERISTICS:

245

(A) LENGTH: 28 amino acids

246

(B) TYPE: amino acid

247

(C) STRANDEDNESS: single

248

(D) TOPOLOGY: linear

249

250

(ii) MOLECULE TYPE: None

251

252

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

253

254

Met Leu Cys Ala His Phe Ser Asp Gln Gly Pro Ala His Leu Thr Thr

255

1

5

10

15

256

Ser Lys Ser Ala Phe Leu Ser Asn Lys Lys Thr Ser

257

20

25

258

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/065,672**

DATE: 04/30/98  
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*INPUT SET: S25446.raw*

Line

Error

Original Text

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